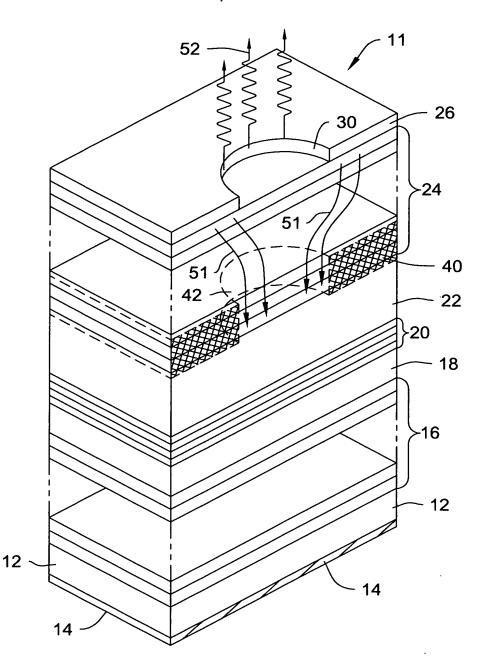
1/12



Fíg.1

Sheet 2 of 12

2/12

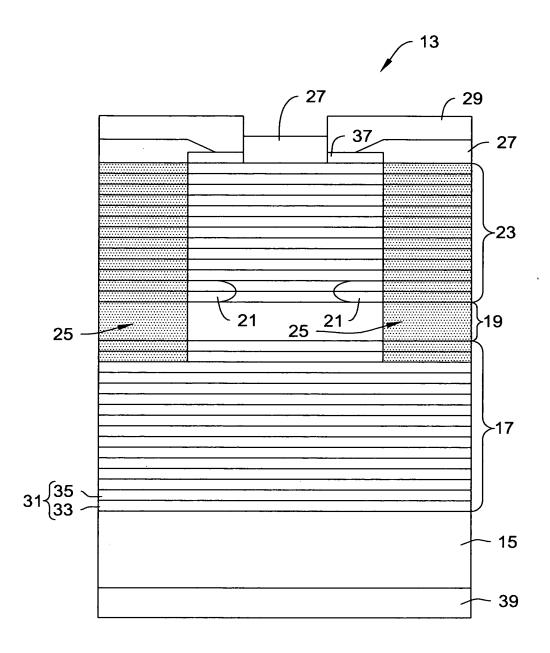


Fig.2

Sheet 3 of 12

3/12

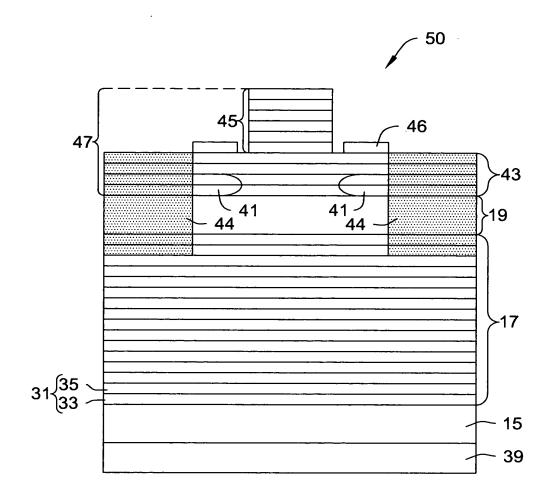
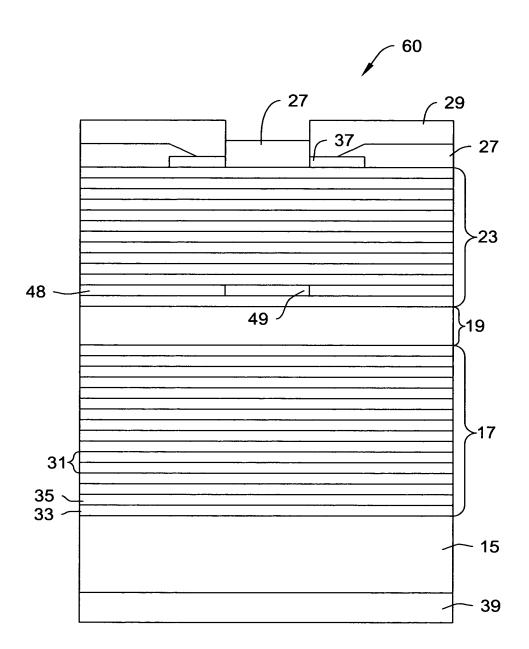


Fig.3

Sheet 4 of 12

4/12



 \mathcal{F} ig.4

Sheet 5 of 12

5/12

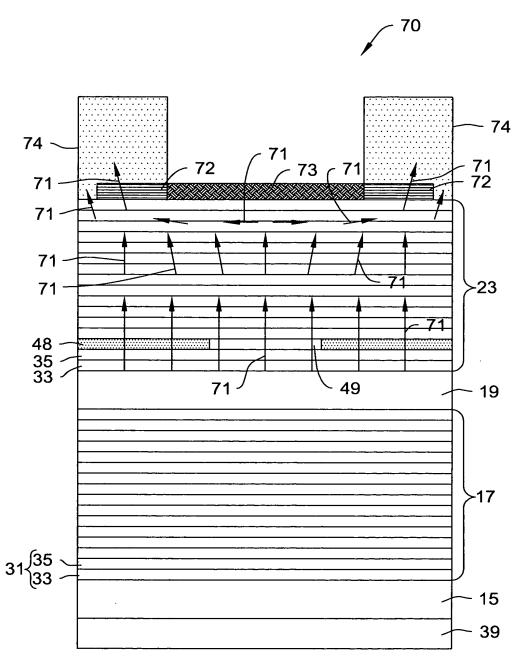


Fig.5

Applicant: Jae- Hyun Ryou et al. Serial No.: 10/607,758

Filed: June 27, 2003 For: VCSEL HAVING THERMAL MANAGEMENT Docket: H0004788(1139.1138101)

Sheet 6 of 12

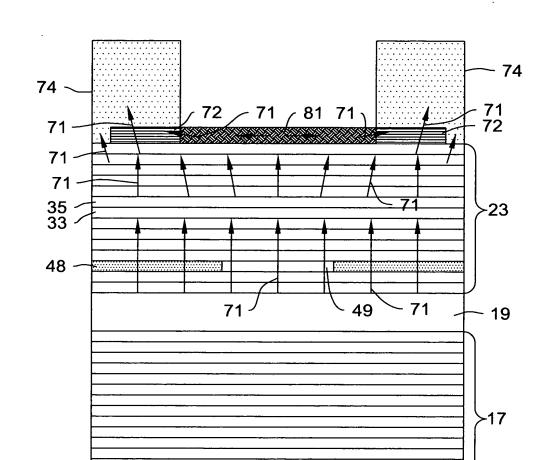
 $31 \begin{cases} 35 \\ 33 \end{cases}$

6/12

80

- 15

39



Fíg.6

Sheet 7 of 12

7/12



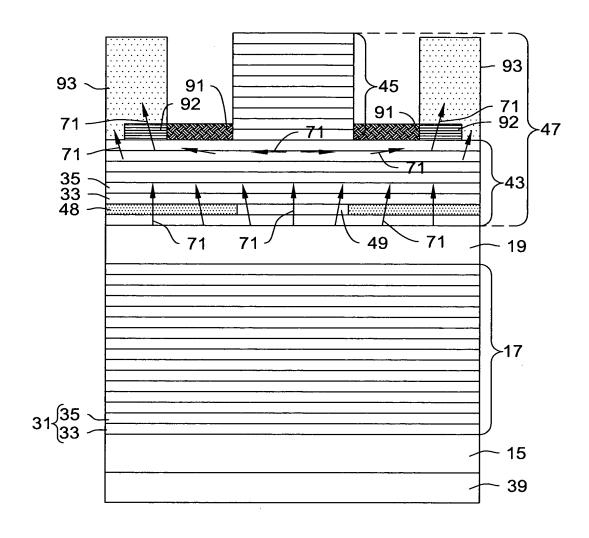


Fig.7

8/12



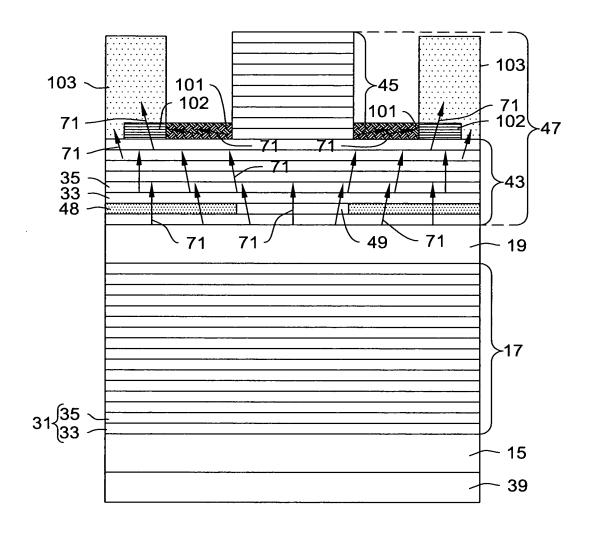


Fig.8

Sheet 9 of 12

9/12



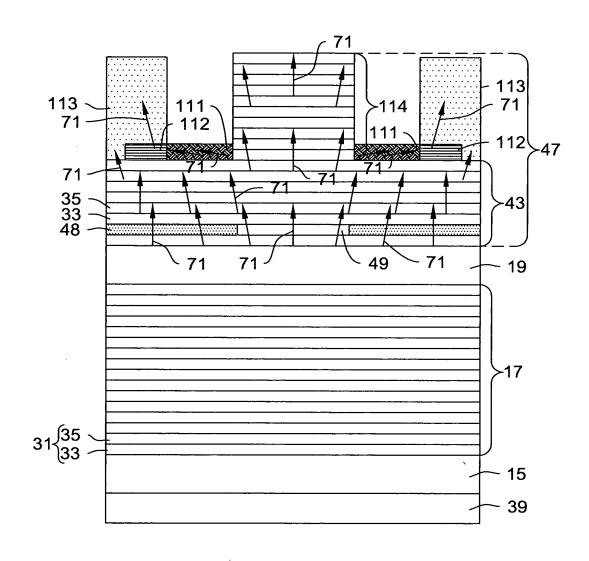
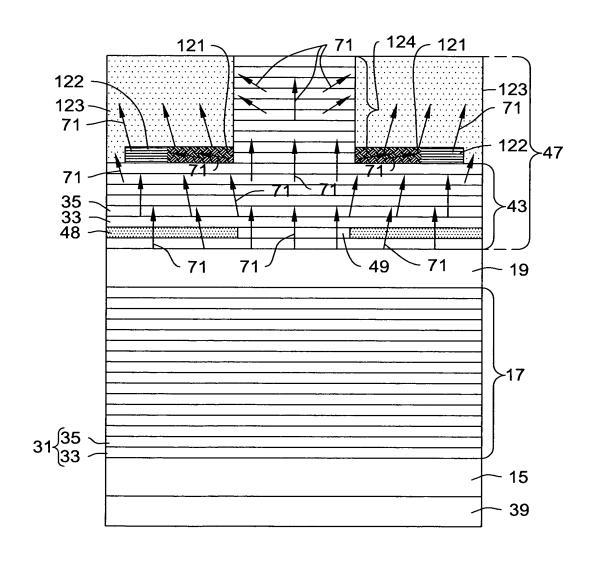


Fig.9

Sheet 10 of 12

10/12

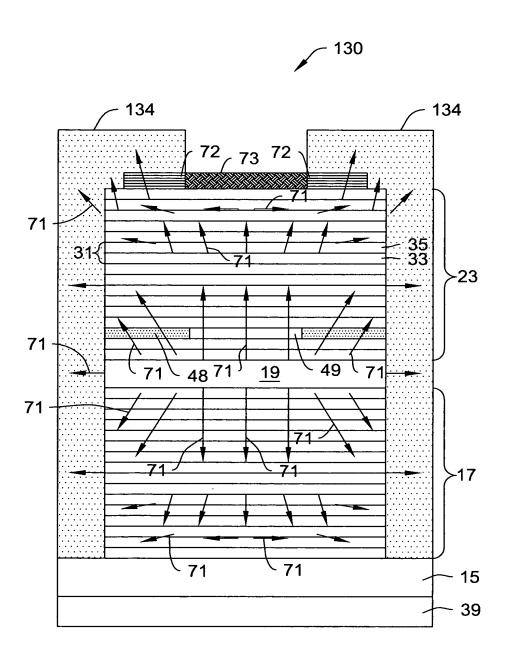




Fíg.10

Sheet 11 of 12

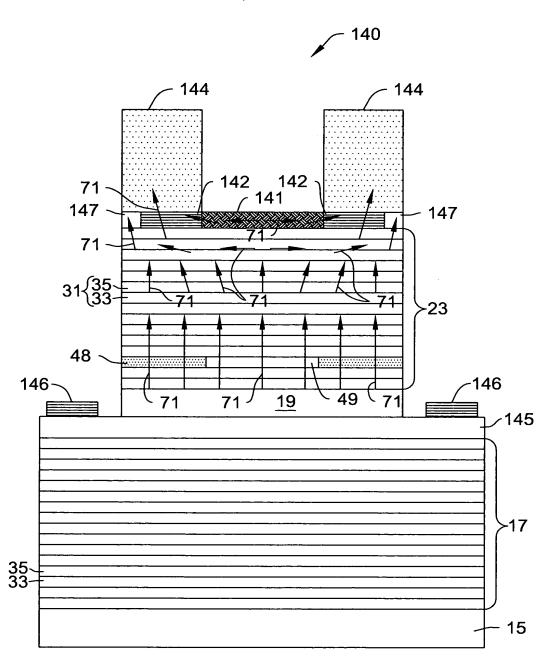
11/12



 \mathcal{F} íg.11

Sheet 12 of 12





Fíg.12